

Appl. No. 10/615,342  
Amdt. dated January 31, 2006  
Reply to Office Action of December 1, 2005

PATENT

**Amendments to the Abstract:**

Please replace the previous Abstract with the following new amended Abstract:

A computer implemented process for producing a representation of a reference spectrum for a hypothetical solution having a first pH condition, for use in determining the composition of a test sample, is disclosed. The process involves producing a position value for at least one peak of the reference spectrum in response to a measured pH condition of the test sample and a property of at least one peak in a base reference spectrum for the hypothetical solution, the base reference spectrum being associated with a pH condition of the hypothetical solution that is different from ~~said~~ the measured pH condition.